

Axial Compression Electrical Connector

Abstract

An electrical connector adapted for interconnection with a helically corrugated outer conductor coaxial cable via axial compression. Threads formed in an interior bore of the connector body threadably engage helical corrugations of the outer conductor. Upon axial compression of an interface into an interference fit with the body, a leading edge of the outer conductor is deformed, creating a high quality uniform electrical interconnection and preventing unthreading of the cable from the connector. Gaskets environmentally sealing the various entry paths into the connector are also sealably compressed by the axial movement of the various connector components during axial compression.